

PAT-NO: JP02004348478A  
DOCUMENT-IDENTIFIER: JP 2004348478 A  
TITLE: AUTHENTICATION SYSTEM USING IC CARD AND IC CARD  
PUBN-DATE: December 9, 2004

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APPL-NO: JP2003145291

APPL-DATE: May 22, 2003

INT-CL (IPC): G06K017/00, G06F001/00, G06F015/00, G06K019/07, G06K019/10

## ABSTRACT:

PROBLEM TO BE SOLVED: To authenticate also a true owner of an IC card when authenticating a specific system by the IC card.

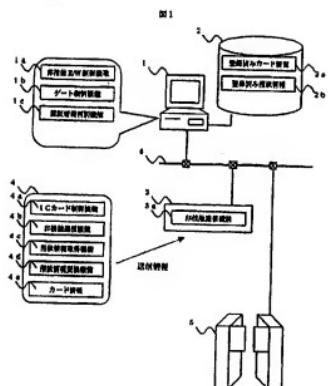
SOLUTION: The card information of IC cards each of non-contact type and the fingerprint information of a true owner of the IC card has been registered in a database 2 as registered card information 2a and registered fingerprint information 2b. When a user of the non-contact IC card 4 puts the IC card 4 on a non-contact reader/writer 3 and touches a fingerprint input means of the IC card 4 with a finger, the fingerprint information is read out by the IC card 4 and the fingerprint information and the card information 4e are read out together by a server 1 through the non-contact reader/writer 3. The server 1 confirms whether the card information 4e has been registered as the registered information 2a or not to authenticate the IC card 4, and when the IC card 4 is authenticated, confirms whether the fingerprint information has been registered as the fingerprint information 2b or not to authenticate the card user.

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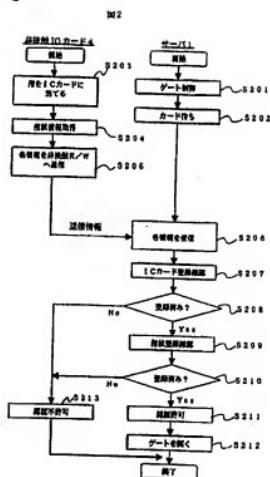
- 5 ゲート  
 6 ネットワーク  
 7 POS 端末  
 7 a 電子マネー処理機能  
 8 I Cカード読み書き装置  
 8 a 指紋情報取得機能  
 8 b 指紋情報変換機能  
 8 c I Cカード通信機能  
 8 d 非接触通信機能  
 9 接触 I Cカード  
 9 a I Cカード制御機能  
 9 b カード情報  
 9 c 接触通信機能

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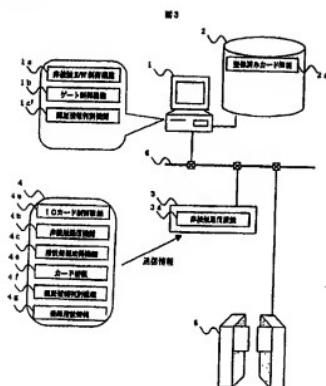
【図 1】



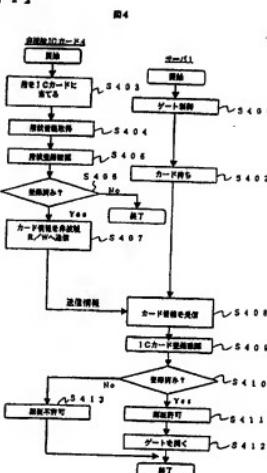
【図 2】



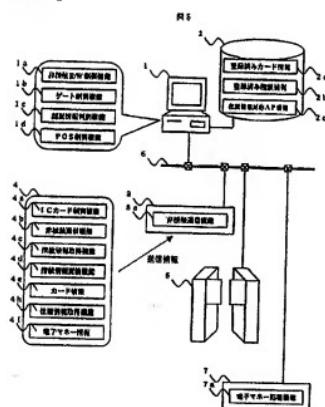
【図 3】



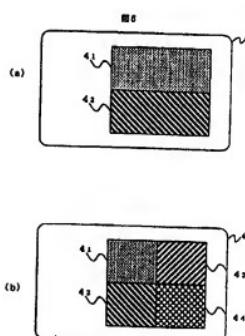
【図 4】



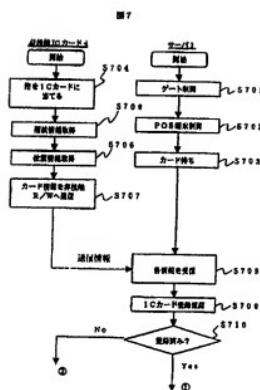
【図 5】



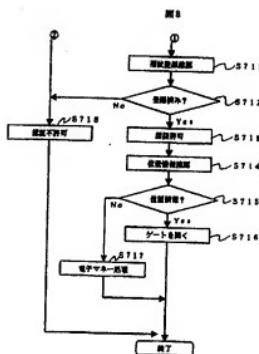
【図 6】



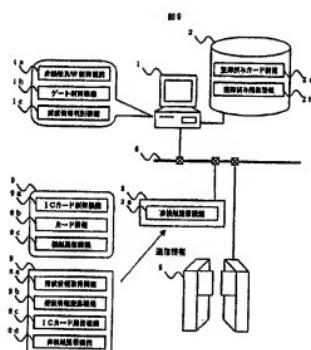
[圖 7]



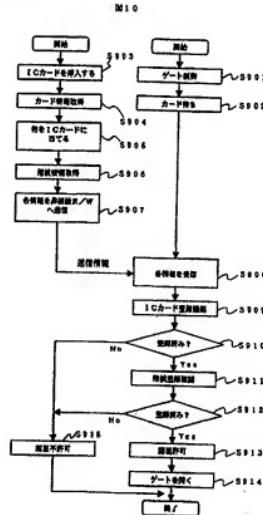
[图 8]



[图9]



【图 10】



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テーマコード(参考)

G 06 K 19/00

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F ターム(参考) 5B035 AA14 BB09 BC01 CA22 CA23

5B058 CA13 CA15 KA38

5B085 AA08 AE12 AE15 AE23 AE25 BE01 BE04 BC01 BC02 BC07